Simpas comparison of the BIOP operation vs. Montana's proposal for late season reservoir drafting. Flows based on average for **July and August**.   Seasonal Weighting Based
A negative relative difference means that the BIOP operation results in better survival.   On % Fish Migrating

Scenario	Simpas Output Parameter	BIOP		Montana Proposal		Relative Difference (Proposed-BIOP/BIOP)		
		D=0.18	D=0.41	D=0.18	D=0.41	D=0.18	D=0.41	
Max Transport - no Spill	Total Survival w/D	7.76%	17.33%	7.76%	17.32%	0.00%	-0.06%	
	Total Survial w/o D	41.87%	41.87%	41.86%	41.86%	-0.02%	-0.02%	
	InRiver Survival	0.27%	0.27%	0.27%	0.27%	0.00%	0.00%	
	InRiver Survival w/o transport	8.17%	8.17%	8.07%	8.07%	-1.22%	-1.22%	
	Percent Transported	42.40%	42.40%	42.40%	42.40%	0.00%	0.00%	
Max Transport w/o L.Col. Flow Survival Relationship	Total Survival w/D	7.76%	17.33%	7.76%	17.33%	0.00%	0.00%	**90%**
	Total Survial w/o D	41.87%	41.87%	41.87%	41.87%	0.00%	0.00%	
	InRiver Survival	0.28%	0.28%	0.28%	0.28%	0.00%	0.00%	
	InRiver Survival w/o transport	8.19%	8.19%	8.20%	8.20%	0.12%	0.12%	
	Percent Transported	42.40%	42.40%	42.40%	42.40%	0.00%	0.00%	
Court Ordered Spill	Total Survival w/D	9.12%	12.44%	9.01%	12.35%	-1.21%	-0.72%	
	Total Survial w/o D	20.96%	20.96%	20.93%	20.93%	-0.14%	-0.14%	
	InRiver Survival	6.52%	6.52%	6.39%	6.39%	-1.99%	-1.99%	
	InRiver Survival w/o transport	10.43%	10.43%	10.29%	10.29%	-1.34%	-1.34%	
	Percent Transported	14.70%	14.70%	14.80%	14.80%	0.68%	0.68%	
Court Ordered Spill w/o L.Col. Flow Survival Relationshi	Total Survival w/D	9.14%	12.46%	9.11%	12.46%	-0.33%	0.00%	
	Total Survial w/o D	20.98%	20.98%	21.04%	21.04%	0.29%	0.29%	
	InRiver Survival	6.54%	6.54%	6.49%	6.49%	-0.76%	-0.76%	
	InRiver Survival w/o transport	10.46%	10.46%	10.45%	10.45%	-0.10%	-0.10%	
	Percent Transported	14.70%	14.70%	14.80%	14.80%	0.68%	0.68%	

Simpas comparison of the BIOP operation vs. Montana's proposal for late season reservoir drafting. Flows for **September** (no spill).   Seasonal Weighting Based
A negative relative difference means that the BIOP operation results in better survival.   On % Fish Migrating

Scenario	Simpas Parameter	BIOP		Montana Proposal		Relative Difference (Proposed-BIOP/BIOP)		
		D=0.18	D=0.41	D=0.18	D=0.41	D=0.18	D=0.41	
Max Transport - no Spill	Total Survival w/D	4.23%	9.62%	4.23%	9.62%	0.00%	0.00%	
	Total Survial w/o D	23.44%	23.44%	23.45%	23.45%	0.04%	0.04%	
	InRiver Survival	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	
	InRiver Survival w/o transport	0.29%	0.29%	0.30%	0.30%	3.45%	3.45%	
	Percent Transported	23.90%	23.90%	23.90%	23.90%	0.00%	0.00%	**10%**
Max Transport w/o L.Col. Flow Survival Relationship	Total Survival w/D	4.23%	9.62%	4.23%	9.62%	0.00%	0.00%	
	Total Survial w/o D	23.44%	23.44%	23.44%	23.44%	0.00%	0.00%	
	InRiver Survival	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	
	InRiver Survival w/o transport	0.29%	0.29%	0.29%	0.29%	0.00%	0.00%	
	Percent Transported	23.90%	23.90%	23.90%	23.90%	0.00%	0.00%	

Combined output for both seasons weighted by seasonal fish passage.

Scenario	Simpas Output Parameter			Relative Difference (Proposed-BIOP/BIOP)	
				D=0.18	D=0.41
Max Transport - no Spill	Total Survival w/D			0.00%	-0.05%
	Total Survial w/o D			-0.02%	-0.02%
	InRiver Survival			0.00%	0.00%
	InRiver Survival w/o transport			-0.76%	-0.76%
	Percent Transported			0.00%	0.00%
Max Transport w/o L.Col. Flow Survival Relationship	Total Survival w/D			0.00%	0.00%
	Total Survial w/o D			0.00%	0.00%
	InRiver Survival			0.00%	0.00%
	InRiver Survival w/o transport			0.11%	0.11%
	Percent Transported			0.00%	0.00%
Court Ordered Spill	Total Survival w/D			-1.09%	-0.65%
	Total Survial w/o D			-0.12%	-0.12%
	InRiver Survival			-1.79%	-1.79%
	InRiver Survival w/o transport			-0.86%	-0.86%
	Percent Transported			0.61%	0.61%
Court Ordered Spill w/o L.Col. Flow Survival Relationshi	Total Survival w/D			-0.30%	0.00%
	Total Survial w/o D			0.26%	0.26%
	InRiver Survival			-0.69%	-0.69%
	InRiver Survival w/o transport			-0.09%	-0.09%
	Percent Transported			0.61%	0.61%